

ABSTRACT**RECOVERY OF GLOBAL HISTORY VECTOR IN THE EVENT OF A
NON-BRANCH FLUSH**

A method and system for recovering a global history vector. In the event of a non-branch flush, a tag may be received by a queue configured to store information about branch instructions. The queue may read a copy of the global history vector from an entry indexed by the tag. This copy may be inserted in a global history vector mechanism ("GHV mechanism") configured to manage the global history vector. If the flush operation is a flush to a group of instructions that contains no branch instructions and the tag does not equal the next-to-write pointer in the queue, then the queue may transmit a command to the GHV mechanism to enter a mode where the GHV mechanism does not update the global history vector until the next branch instruction is fetched.